

SEE SIDE PANELS FOR ADDITIONAL PRECAUTIONARY STATEMENTS

# BIO/TEC 112

**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**  
**CAUTION:** Harmful if swallowed. Avoid breathing vapors. Avoid contact with skin, eyes, or clothing.  
**ENVIRONMENTAL HAZARDS**  
This pesticide is toxic to fish and wildlife. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

<b>Active Ingredient:</b>	
Poly (oxyethylene) (dimethyliminio) ethylene .....	20%
(dimethyliminio) ethylene dichloride)	
Inert Ingredients: .....	80%
<b>TOTAL:</b> .....	<b>100%</b>

EPA Reg. No. 55137-1      EPA Est. No. 55137-LA-01

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

**STORAGE AND DISPOSAL**  
Do not contaminate water, food or feed by storage or disposal.  
**STORAGE:** Do not stack more than four drums high. Leaking or damaged drums should be placed in overpack drums for disposal. Spills should be absorbed in sawdust or sand and disposed of in a sanitary landfill. Keep container closed when not in use.  
**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.  
**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**Sold by:**  
SWE, Inc.  
d.b.a. Southwest Engineers  
39478 Hwy. 190E  
Slidell, LA 70461  
(800) 878-7445 (504) 643-1117

**DIRECTIONS FOR USE**  
It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Bio/Tec 112 is used to control algae, bacteria, fungi and mollusks in cooling water and industrial process water systems and to inhibit the growth of bacteria that cause degradation of cutting fluids. Refer to the product brochure entitled "Bio/Tec 112 Process Treatment" for detailed directions on process treatment systems and cutting fluid applications.

**INDUSTRIAL RECIRCULATING COOLING WATER SYSTEMS**  
Prior to the use of Bio/Tec 112 in water cooling towers, systems should be cleaned to remove algal growth, microbiological slime, and other deposits. Then make an initial slug addition of 2.7-6.6 fluid ounces of Bio/Tec 112 per 1000 gallons of water to provide 24-60 ppm Bio/Tec 112 based on the total weight of water in the system.

Repeat initial dosage until control is evident. Make subsequent slug additions of 0.6-6.6 fluid ounces of Bio/Tec 112 per 1000 gallons of water (6-60 ppm Bio/Tec 112) every 2 to 5 days or as needed. The frequency of addition depends on the relative amount of bleed-off and the severity of the microbiological problem. Slug additions should be made in the sump of water cooling towers.

<b>FIRST AID</b>	
<b>If inhaled:</b>	Remove person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
<b>If on skin:</b>	Take off contaminated clothing and wash before reuse. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control or doctor for treatment advice.
<b>If in eyes:</b>	Hold eye open and rinse slowly and gently with water for 15-20 minutes.  Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
<b>If swallowed:</b>	Call poison control center or doctor immediately for treatment advice. Do not induce vomiting. Rinse with copious amounts of water first. Irrigate the esophagus and dilute the stomach content by slowly giving one (1) or two (2) glasses of water. Avoid giving alcohol or alcohol related products. In case of internal ingestion of the product, get medical attention immediately; take individual to the nearest medical facility. Do not give anything by mouth to an unconscious person.
<b>HOT LINE NUMBER</b>	
Have the product container or label with you when calling a poison control center of doctor, or going for treatment. You may also contact Chemtrec 1-800-424-9300 for emergency medical treatment information.	
<b>NOTE TO PHYSICIAN</b>	
Probable mucosal damage may contraindicate the use of gastric lavage.	

**AIRWASHER SYSTEMS**  
Bio/Tec 112 is used to control bacteria in industrial air washing systems that maintain effective mist eliminating components. Prior to use, systems should be cleaned to remove bacterial slime and other deposits. An initial slug dose of 1.0-16.7 fluid ounces of Bio/Tec 112 per 1000 gallons of water is recommended. Repeat initial dosage until control is evident. Subsequent slug additions of 6.75-16.7 fluid ounces of Bio/Tec 112.

Per 1000 gallons of water should be employed each 1 to 5 days, or as needed. The frequency of addition depends upon the relative amount of bleedoff and severity of the bacterial problem. Slug additions may be made to the sump or to the water collection trays of the airwash system.

For pools having just visible algae growth, Bio/Tec 112 is used to control the growth of algae in decorative fountains and ponds that do not contain fish. Heavy growths of algae should be manually cleaned prior to treatment. Fountains and ponds with just visible algae growth require an initial dose of 3 to 6 fluid ounces of Bio/Tec 112 per 1,000 gallons of water. To treat a freshly cleaned and filled fountain, add 1.5 to 4.5 fluid ounces of Bio/Tec 112 per 1,000 gallons of water. Maintenance dosages of 0.6 to 1.5 fluid ounces of Bio/Tec 112 per 1,000 gallons of water should be added every 5 to 7 days as needed. Additions of Bio/Tec 112 should be made at a point to ensure uniform distribution. Bio/Tec 112 may be used in fountains and ponds treated with chlorine chemicals, but do not mix Bio/Tec 112 with concentrated dry or liquid chlorine products.

**PAPER MILLS**  
Bio/Tec 112 will retard microbial growth that causes degradation of cooked starch used in paper manufacture. Bio/Tec 112 is added at a rate of 75 to 750 ppm based on the total weight of the starch and water. The treatment rate necessary to retard spoilage of the starch will vary with the extent of contamination of the make-up water and the length of storage.  
NOTE: Do not use in paper and paperboard that will contact food.

**MOLLUSK FOULING**  
To control mollusks such as Corbicula species in recirculating or once-through cooling water and industrial systems, add Bio/Tec 112 at dosage rates of 6 to 60 ppm. Additions should be made continuously or intermittently to the intake water. Continuous addition is required for noticeably fouled systems. Intermittent feeding is used to maintain control. Bio/Tec 112 is used to control algae and mollusks such as Corbicula and Dreissena species in potable water treatment systems. Mitigation: Add Bio/Tec 112 to the raw water at dosage rates of 6 to 15 ppm (6 to 15 mL of Bio/Tec 112/1000 L of water). For badly fouled systems, treatment should be continuous for up to 21 days, followed by regular control treatments. Control: To avoid fouling of potable water systems by mollusks, treat the raw water at 6 ppm for 60 minutes, repeating this treatment daily or a continuous feed of 1.5 mg/L.

Seller makes no warranty, express or implied, concerning the use of this product other than indicated on this label. Buyer assumes all risk of use and/or handling of this material, when such use and/or handling is contrary to label instructions.

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